

KOZLOWSKI, Stanislaw; RADWAN, Leszek

Reflex action of lactic acid on function of the skeletal muscles. Acta physiol. polon. 7 no.3:287-298 1956.

1. Z Zakladu Fizjologii Pracy A.M. I Zakladu Fizjologii A. W. F. w Warszawie Kierownik: prof dr. Wl. Missiuro.
(MUSCLES, effect of drugs on,
lactic acid, reflex action in animals (Pol))
(LACTIC ACID, effects,
on musc., reflex action in animals (Pol))

KOZLOWSKI
KOZLOWSKI, Stanislaw; RADWAN, Leszek

Antidiuretic activity of the blood and physical work; static and dynamic.
Acta physiol. polon. 8 no.4:677-687 1957.

1. Z Zakladu Fizjologii Pracy A. M. i z Zakladu Fizjologii Akad. Wych.
Fiz. w Warszawie. Kierownik: prof. dr Wl. Missiuro.

(EXERCISE, effects,

on blood antidiuretic activity (Pol))

(DIURESIS,

antidiuretic eff. of blood, eff. of exercise (Pol))

(BLOOD,

antidiuretic activity, eff. of exercise (Pol))

BROMBERG-SZNEK, Sara; RADWAN, Leszek; LUSTIG, Stefania

Effect of cedilanide and euphylline on renal function during the course of circulatory insufficiency. Poslie arch.med.wewn. 30 no.9: 1153-1162 '60.

1. Z Oddzialu Chorob Wewnetrznych Instytutu Gruzlicy Kierownik: prof. dr med. W.Hartwig

(DIGITALIS ther)
(AMINOPHYLLINE ther)
(KIDNEYS pharmacol)
(HEART DISEASES ther)

KLONOWICZ, Maria; DLOUHY, Wojciech; RADWAN Leszek

A case of pancytopenia associated with pregnancy toxemia. Gln.
polska 31 no.3:333-338 My-Je '60.

1. Z I Zakladu Chorob Wewnetrznych Studium Doskonalenia Lekarzy
A.M. Kierownik: prof. dr med. W.Hartwig
(ANEMIA APLASTIC in pregn)
(PREGNANCY TOXEMIAS compl)

KOZIOROWSKI, Antoni; RADWAN, Leszek

Studies on the accuracy and application of Astrup's method in the evaluation of acid-base equilibrium in the blood. Gruzlica 30 no.4: 295-309 '62.

1. Z Zakladu Fizjopatologii Instytutu Gruzlicy Kierownik: dr A. Koziorowski Dyrektor: prof. dr med. W. Jaroszewicz.

(ACID BASE EQUILIBRIUM)

BROMBERG-SZNEK, Sara; LOBSKA, Dorota; RADWAN, Leszek; LUSTIG, Stefania

Kidney function indices in chronic respiratory insufficiency
and their changes under the influence of oxygen. Polskie arch.
med. wewn. 32 no.4:297-302 '62.

1. Z Oddzialu Wewnetrznego Instytutu Gruzlicy w Warszawie Kierownik:
prof. dr. med. B.Jochweds Z Zakladu Fizjopatologii Instytutu Gruzlicy
Kierownik: dr med. A.Koziorowski Z Pracowni Analitycznej Instytutu
Gruzlicy Kierownik: dr med. A.Wolanska.
(KIDNEY FUNCTION TESTS) (RESPIRATORY SYSTEM dis)
(OXYGEN)

KOZIOROWSKI, Antoni; RADWAN, Leszek

Use of the capnograph in the determination of partial pressure of carbon dioxide in mixed venous and in arterial blood with the aid of repeated respiration. Pol. arch. med. wewn. 32 no.12:1543-1552 '62.

1. Z Zakladu Fizjopatologii Instytutu Gruźlicy w Warszawie. Kierownik:
dr. med. A. Koziorowski. Dyrektor: prof. dr med. W. Jaroszewicz.
(CARBON DIOXIDE) (RESPIRATORY FUNCTION TESTS)

RADWAN, Leszek

Use of arterialized venous blood for the determination on pH, partial CO2 pressure and oxygen saturation. Pol. arch. med. wewn. 32 no.12: 1561-1568 '62.

1. Z Zakladu Fizjopatologii Instytutu Gruzlicy w Warszawie Kierownik: dr med. A. Koziorowski Dyrektor Instytutu Gruzlicy: prof. dr med. W. Jaroszewicz.

(OXIMETRY)	(CARBON DIOXIDE)
(HYDROGEN ION CONCENTRATION)	(ANOXEMIA)

POLAND

KOZIMROWICZ, Antoni and ~~PADNAN~~, Leazek; Department of Endo-
siopatology of the Tuberculosis Institute (Lokiel Fizjopa-
tologii Instytutu Gruelicy), Director: Dr Med A. KOZIMROVSKI
and Division of Internal Diseases (Oddzial Chorob Wewnetrz-
nych) of the Tuberculosis Institute, Director: Prof Dr S.
JOSKOWSKI.

"The Attempted Method of Diagnosing the Acid-Base Balance
Troubles in the Course of Chronic Respiratory Failure"

Warsaw, ~~Polish~~ ~~Internik Lekarski~~, Vol XVIII, No 5, 26 Jan
1963, pp 121-122

Abstract: [Authors' English summary modified] The determi-
nation of base excretion, partial CO₂ pressure and bicarbonate
by the method of Astrup is reported. Thirty patients were
examined by this method. Its value for the diagnosis and
treatment of troubles in acid-base balance in chronic dis-
eases of the lungs is discussed. 4 diagrams; 6 text biblio-
graphy, 3 Western and 1 Polish source.

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BROMBERG-SZNEK, Sara; KOZIOROWSKI, Antoni; RADWAN, Leszek;
LUSTIG, Stefania

Hydrogen-ion excretion in chronic renal failure. Pol. arch.
med. wewn. 33 no.7:735-745 '63.

1. Z Oddziału Wewnętrznego Instytutu Gruzlicy Kierownik: prof.
dr med. B. Jochweda Z Zakładu Fizjopatologii Instytutu Gruzlicy
Kierownik: dr med. A. Koziorowski Z Pracowni Analitycznej
Kierownik: dr med. A. Wolanska,
(KIDNEY DISEASES)
(HYDROGEN-ION CONCENTRATION)
(URINE)

JOCHWEDES, Beniamin; RADWAN, Leszek; ZIELINSKI, Jan

Acute adrenal failure without typical biochemical changes.

Pol. tygod. lek. 19 no.2:60-62 Ja '64.

1. Z Oddziału Chorob Wewnętrznych Instytutu Gruźlicy (kierownik:
prof. dr med. B. Jochweds).

BRASHELD-SCHNEK, Sara; KADWAN, Lennok; KACHEA, Borota

Effect of diamox on the urinary hydrogen-ion excretion in patients with a solitary kidney. Pol. arch. med. wewnet. 34 no.7:841-851 1964.

1. z Kliniki Chorob Wewnetrznych Instytutu Gruziacy (Kierownik: prof. dr. med. B. Jochweds); z Zakladu Fizjopatologii (Kierownik: dr. A. Kozierowski); z Pracowni Analitycznej (Kierownik: dr. chem. A. Wolanska).

KOZIOROWSKI, Antoni; ZIELINSKI, Jan; RADWAN, Leszek

The use of multergan in the diagnosis of generalized bronchial stenosis. Gruzlica 33 no.5:421-429 My '65.

1. Z Zakladu Fizjopatologii Oddychania Instytutu Gruzlicy
(Kierownik: lek. A. Koziorowski).

KOZIOROWSKI, Antoni; RADWAN, Leszek

Carbon dioxide partial pressure gradient of the arterial blood and the end-tidal air sample in chronic bronchopulmonary diseases. Pol. arch. med. wewnet. 35 no.4:483-490 '65.

1. Z Zakładu Fizjopatologii Instytutu Gruźlicy w Warszawie (Kierownik: dr. A. Koziorowski).

KOZIOROWSKI, A., dr. med.; RADWAN, L.

The determination of partial CO₂ pressure in mixed venous and arterial blood with the bloodless method of "repeated respiration" in a closed circuit. Bratisl. lek. listy 45 no.9:513-522 15 My'65.

1. Oddelenie patofyziologie Vyskumneho ustavu tuberkulozy vo Varsave (veduci dr. med. A. Koziorowski).

BROMBERG-SZNEK, Sara; RADWAN, Leszek

Excretion of hydrogen ions in renal metabolic acidosis. Pol. arch.
med. wewnet. 35 no.3:305-312 '65.

1. Z Kliniki Chorob Wewnetrznych Instytutu Gruzlicy (Kierownik:
prof. dr. med. B. Jochweds) i z Zakładu Fizjopatologii Instytutu
Gruzlicy (Kierownik: dr. A. Kozierowski) oraz z Pracowni Ana-
litycznej (Kierownik: dr. med. A. Wolanska).

R. 1, 1.

Historic Laundry in St. Louis. . .
Vol. 1 (Historic Laundry Techniques) (revised)
Vol. 1, no. 2, Feb. 1977

10. East European Acquisitions List Vol. 1, no. 9 September 1977

BADWAN M.

3329

620.179.15:621.643.41

Radwan M., Owczarski T. Methods of Radiographic Inspection of High Pressure Pipe Welds.

„Metody radiologicznej kontroli spoin rurociągów wysokiego ciśnienia”. Przegląd Spawalnictwa. No. 5, 1955, pp. 113—120, 15 figs. HG

The Industrial Radiology Department of the Electrotechnical Institute has worked out methods of making radiographs from high pressure pipe welds. According to the diameters of pipes, various methods have been used for making radiographs and in particular: 1) for pipes over 40 mm. in diameter when it is possible to insert the target of the X-ray tube into the pipes — the revolving method; 2) for pipes of over 100 mm in dia. and wall thickness of over 20 mm when the exposure-hol-

der can be inserted into the pipes — the single wall method; 3) for pipes of 100 to 400 mm in dia. when it is impossible to insert the exposure-holder into the pipes — the double wall method; 4) for pipes under 100 mm. in dia — the method of elliptic projection. Existing inspection rules for pipe welds, made according to Soviet standards, are discussed on the basis of radiographs. ①

RADWAN, MACIEJ

Theoretical and experimental determination of the resolution of defects in radiographic examination by means of γ -rays from Co^{60} . Maciej Radwan. *Jaderná energie* 3, 10-17 (1957).—The limit of resolution of a defect in a metal is shown to depend on the apparent absorption coeff. of the radiation in the metal and on the sensitivity and contrast of the x-ray film. The former can be detd. either theoretically or exptl., but the latter only exptl. The calcd. value for the absorption coeff. of Co^{60} γ -rays in Fe is somewhat higher than the observed. This may be due to scattered radiation, and to lack of sharpness of the image owing to the large size of the sample compared to the focal distance. The relative limit of resolution (in % of the thickness of sample) decreases when the thickness increases and when the distance between the source and the sample increases.

H. Newcombe

118

Am 5

Z/056/62/019/005/002/008
1037/1237

AUTHORS: Radwan, M. and Godlecoski, Z.

TITLE: Radiographic detection of faults in casts

PERIODICAL: Přehled technické a hospodářské literatury Hutnictví a strojírenství, v. 19, no. 5, 1962, 273.
abstract HS 62-3482. (Przegl. Odlew., v. 11, no. 12, 1961, 360-365)

TEXT: The limits of detection of faults in casts by irradiation with gamma and X-rays. The use of radioactive isotopes for checking the quality of the cast. Results of the check for faulty casts by radiographic methods. There are 14 figures and 8 references.

[Abstracter's note: Complete translation.]

Card 1/1

BANASIK, Zbigniew; RADWAN, Maciej

Methods of testing the abrasion resistance of cutting tools by means of radioisotopes. Nukleonika 7 no.7/8:511-519 '62.

1. Instytut Podstawowych Problemow Techniki, Polska Akademia Nauk, Zaklad Badan Izotopowych, Warszawa.

GODLEWSKI, Zbigniew; RADWAN, Maciej

Testing the mixing process of molding sand by means of radioactive isotopes. Nukleonika 7 no.7/8:520-521 '62.

1. Instytut Podstawowych Problemow Techniki, Polska Akademia Nauk, Zaklad Badan Izotopowych, Warszawa.

GODLEWSKI, Zbigniew, mgr.inz.; RADWAN, Maciej, prof.dr.

Testing the course of mixing molding sands by using radio-
active isotopes. Przegl odlew 12 no.7:192-197 J1 '62.

RADWAN, Maciej, prof. dr

Radioisotopic method of determining the distribution of elements
in the structural components of alloys. Hutnik P 29 no.6:202-
212 Je '62.

1. Zaklad Badan Izotopowych, Instytut Podstawowych Problemow
Techniki, Polska Akademia Nauk, Warszawa.

Z/056/63/020/002/007/007
E073/E135

AUTHORS: Listwan, W., and Radwan, M.

TITLE: Detection of leakages in underground gas pipelines
by labelled atoms

PERIODICAL: Hutnictví a strojirenství. Přehled technické a
hospodářské literatury, v.20, no.2, 1963, 117,
abstract HS 63-1444. (Gaz Woda Techn. sanit., v.36,
no.6, 1962, 205-206)

TEXT: A technical description is given of the method, the
equipment required and the results achieved. The authors discuss
the labelling of the atoms, their movement in the gas, their
passage through the damaged zone, their decomposition, and also
their detection. Also, information is given on the experience
gained up to now in Poland.
5 figures.

[Abstracter's note: Complete translation.]

Card 1/1

RADWAN, Maciej, prof. dr; BANASIK, Z., mgr inż.; PACALOWSKI, Janusz, inż.

Tin segregation tests in AlSn30 alloy ingots with radioisotopes. Hutnik P 30 no.6:169-174 Je '63.

RADWAN, M.

Study of metal structure and phase transformation kinetics by means of radioisotopes. Nukleonika 9 no.7/8:667-679 '64

1. Institute of Basic Technical Problems, Polish Academy of Sciences, Warsaw.

BANASIK, Zbigniew, mgr inż., adiunkt; BOROWIK, Stanisław, mgr inż.;
RADWAN, Maciej, prof. dr inż.; SARNA, Janusz, mgr inż.

Quality tests of sintered filters. Przegl mech 23 no.11:
305-307 10 Je '64.

1. Department of Isotopic Research, Institute of Basic Technical Problems, Polish Academy of Sciences, Warsaw (for Banasik).
2. Department of Automatic Control in Mechanics, Technical University, Warsaw (for Borowik).
3. Head, Department of Isotopic Research, Institute of basic Technical Problems, Polish Academy of Sciences, Warsaw (for Radwan)

RADWAN, Maciej, prof. dr inz.; GODLEWSKI, Zbigniew, mgr inz., adiunkt

Features of the radiographic picture and detectability of defects
Przegł mech 23 no.20:584-589 25 0 '64

1. Institute of Basic Technical Problems, Polish Academy of
Sciences, Warsaw.

RADWAN, Maciej, prof. dr.; ZARZECKA, Eleonora, mgr inż.; LUTY, Wacław,
mgr inż.

Testing the degree of chromium mixing by the method of activation
analysis in 50 HSA steel melted with the use of the inductive
agitator. Hutnik 31 no.3:69-71 Mr '64.

1. Institute of Basic Technical Problems of the Polish Academy
of Sciences, Warsaw (for Radwan and Zarzecka). 2. Warszawa
Steel Works (for Luty).

YOMINOF, J. R. RALPH, M. R.

1. Department of Research of the Institute of Basic
Sciences, University of the Pacific, Honolulu, Hawaii

2. Department of Research of the Institute of Basic
Sciences, University of the Pacific, Honolulu, Hawaii
Submitted for publication 1964

L 9037-66 EWA(c)/T/EWP(b)/EWP(t) JD

ACC NR: AP6001925

SOURCE CODE: PO/0046/65/010/001/0062/0066

AUTHOR: Kominek, Jozef; Radwan, Maciej

ORG: Department of Isotope Research, Institute of Basic Engineering Problems,
Warsaw (Zaklad Badan' Izotopowych, Instytut Podstawowych Problemow Techniki)

TITLE: Method for determining the depth of metallographic polish used in
autoradiography

SOURCE: Nukleonika, v. 10, no. 1, 1965, 62-66

TOPIC TAGS: autoradiography, radioisotope, beta spectrum

ABSTRACT: This laboratory communication reports on the determination of samples for autoradiograms. The maximum permissible thickness of the polished sample was determined at which the radiation coming to the film from the farthest layers gives a blackening similar to the background blackening. The photographic densities were measured for nine radio-isotopes of pure elements, four of which have simple beta-radiation spectra (Co-60, Tl-204, Zn-69, P-32); the spectra of the others are composite. The autoradiograms were made with the same exposure time, the samples were in direct contact with the film emulsion or were wrapped in aluminum -foil filters of varying thickness. On this basis it was possible to obtain density curves (% blackening versus filter thickness) corrected for errors

Card 1/2

L 9037-66

ACC NR: AP6001925

due to non-uniform activities of the samples. The results are comprehensively tabulated in terms of incremental values for each type of isotope. Orig. art. has: 2 figures, 1 formula, and 2 tables. [JPRS]

SUB CODE: 18, 20 SUBM DATE: 24Jan64

jw

Card 2/2

L 50732-65 EWT(m) Feb DIAAP

ACCESSION NR: AP5016339

PO/0046/65/010/002/0123/0130 15
B

AUTHOR: Radwan, Maciej (Radwan, M.); Golinczak, Henryk (Golin'chak, G.); Stasiuk, s-
Jerzy (Stasyuk, G.); Krzysiak, Barbara (Kahysyak, B.)

TITLE: Indirect method determining the ¹⁹contamination of ground with fall-out

SOURCE: Nukleonika, v. 10, no. 2, 1965, 123-130

TOPIC TAGS: stronium, isotope, radioactive contamination, radioactive fallout

ABSTRACT: The concentration of strontium-⁹⁰ in horns of stags derived from various places and several years was investigated. Pieces of horns were burned and samples were prepared from ash. The activity of those specimens (dry and liquid) was measured by use of several counters. It was found that the concentration of strontium-90 in horns grows with time. This can be taken as a criterium of ground contamination by fallout. Orig. art. has 2 tables and 1 graph.

ASSOCIATION: Wojskowa Akademia Techniczna, Warsaw (Military Engineering Academy)

SUBMITTED: 24Apr64

ENCL: 00

SUB CODE: NP

NO REF SOV: 000

OTHER: 004

MA

Card 1/1 *me*

BANASIK, Józef, mgr inż., adiunkt, RAD" K. Maszyn, prof. dr inż.

Year testing of printing press. Przegl mech 24 no.9. 264-266
10 My '65.

1. Department of Isotopic Research of the Institute of Basic
Technical Problems of the Polish Academy of Sciences, Warsaw.
Head. Prof. Radwan.

L 5111-66 EMT(m) DIAAP
 ACC NR: AP6000251 SOURCE CODE: PO/0046/65/010/003/0145/0153
 AUTHOR: Radwan, Maciej Radwan, M. M.; Godlewski, Zbigniew--Godlevski, Z. G. 34 B
 ORG: Institute of Fundamental Technical Problems, Polish Academy of Sciences, Warsaw 44 55
 TITLE: Influence of flaw shape and radiographic technique on the detectability in isotope radiographic methods 19
 SOURCE: Nukleonika, v. 10, no. 3, 1965, 145-153
 TOPIC TAGS: radiography, flaw detection, isotope, photometer 11/ 55 14
 ABSTRACT: The influence of the radiographic technique on detectability of different shapes of flaws was studied. The theoretical analysis of the change of density for radiographic images of flaws made it possible to determine decreases in density above the background. Measurement and photometric analysis of density curves for images of flaws were obtained by using an automatic recording photometer. A strong relation was observed between the radiographic technique and the image density curve. By using the density curves it should be possible to determine the kind of flaw. Orig. art. has: 6 figures, 5 formulas. [NA]
 SUB CODE: NP, IE / SUM DATE: none / ORIG REF: 004 / OTH REF: 001

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 Card 1/1

RADVAN, Mechislav [Radwan, Mieczyslaw] (Pol'skaya Narodnaya Respublika)

Old Polish Basin. Trudy Inst.ist.est.i tekhn. 25:3-43 '59.
(MIRA 13:4)

(Swietokrzyszakie Mountains--Iron ores)
(Metallurgical furnaces)

PLEINER, Radomir, dr; RADWAN, Mieczyslaw, doc.

Polish-Czechoslovak experiments in iron smelting in kilns
from the Roman period. Kwart hist nauki i tech 7 no.3:307-
320 '62.

RADWAN, Mieczyslaw

Report conference of the team on the History of Polish Technology
in Metallurgy and Forging Practice. Kwart hist nauki i tech 7
no.3:413-416 '62.

RADWAN, Mieczyslaw; PLEINER, Radomir

Experiment iron smeltings ... kilns of the Gory Swietokrzyskie
type. Kwart hist nauki i techn 7 no.4:589-590 '62.

BIELENIN, Kazimierz; RADWAN, Mieczyslaw

More on J. Piaskowski's concept of research. Kwart hist nauki
i tech 8 no.1:87-93 '63.

RADWAN, Mieczyslaw

Further experiments in iron smelting in blast furnaces of the
Swietokrzyska type. Kwart hist nauki i tech 8 no.1:142-144
'63.

RADWAN, Mieczyslaw

A doctor's dissertation on the Kamienna River. Kwart hist
nauki i tech 8 no.2:324 '63.

RADWAN, Mieczysław

Reporting Conference of the Group for the History of Polish
Metallurgical and Foundry Technology. Kwart hist nauki i
tech 8 no.3:465-468 '63.

WALCZYK, Mieczysław .

Walenty Ródzki's knowledge of mining and metallurgy
on the occasion of the 350th anniversary of the "Officina
Ferraria." Kwart hist nauki i tech 8 no.4:491-501 '63.

RAJMAN, Mieczysław

Further experimental smeltings in the Gory Swietokrzyskie type kilns.
Kwart hist nauki i tech / no.3/4:365-373 '64

Reporting conference of the Collective on the History of Polish
Metallurgical and Casting Techniques. Info.: 446-118 '64

RADWAN, Stanislaw

Helminths in unwanted fish in carp ponds. Wiadomosci parazyt., Warsz.
4 no.5-6:661; Engl. transl. 662 1958.

1. Z Zakladu Parazytologii i Chor. Inw. WSR w Lublinie.
(HELMINTH INFECTIONS,
in fish (Pol))
(FISH, dis.
helminth infect (Pol))

RADWAN, Stanislaw

Helminth parasites of unbred fishes in a pound husbandry. Acta
parasit 8 no.8/20:289-297 Je '60. (EEAI 9:11)

1. Katedra Parazytologii W.S.R. Lublin.
(Poland--Helminths) (Poland--Fishes)

POLAND/Analytical Chemistry - Analysis of Inorganic Substances. E-2

Abs Jour : Ref Zhur - Khimiya, No 2, 1959, 4294

Author : Czakow, J., Radwan, Z.

Inst : -

Title : The Spectroscopic Determination of Trace Amounts of Lithium in Metallic Calcium.

Orig Pub : Chem Analit, 2, No 3, 245-248 (1957) (in Polish with Summaries in English and Russian)

Abstract : A simple and rapid method has been developed for the determination of Li; the method is applicable to the analysis of samples which do not contain K. Procedure: 0.5 gm of the calcium to be analyzed is treated with water, the solution is evaporated, and the residue is ground in a mortar. About 0.05 gm of the substance obtained is placed in the hollow tip of the bottom electrode. Cu-electrodes are used: the lower electrode has a diameter of 6 mm with an opening 5 mm in diameter and 5 mm in length. The spectra

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- 10 -

POLAND / Analytical Chemistry--Analysis of
inorganic substances.

E-2

Abs Jour : Referat Zhur--Khimiya, No. 11, 1959, 38321

openings of 10.8 mm diam. The lower Cu electrode of 5 mm diam is provided with a flat end. When the arc is turned on the powder is sifted for 45 sec into the analytical slit [interelectrode distance?]; in the course of the analysis 50% of the powder evaporates in the arc. The coal dust prevents the powdered ore from fusing together in the channel of the electrode. The spectra are recorded with a type ISF-51 glass spectrograph, using a UF-84 camera with a slit width of 10 μ . In order to avoid the superposition of the CN band on the U 4090.14 $\text{\AA}$ line, the electrodes are placed in a glass chamber through which a 1 : 1 mixture of Ar and O_2 is passed at a rate of 3 liters per min. The Mo 4086.02

Card 2/3

802 101 2177

Distr: 4E2c/4E3d

21 27 7
2
Spectrographic determination of uranium in ores and residues from leaching by the powder sifting method in the alternating-current arc. Julian Czakow, Zofia Radwan, and Bozena Strzyewska (Inst. Nuclear Research, Warsaw). Proc. UN Intern. Conf. Peaceful Uses At. Energy, 2nd, Geneva, 1958 3, 581-4. —See C.A. 53, 4906h. N. 1-1-1

7c 2K 9K

POLAND/Optics - Optical Methods of Analysis.

K

Abs Jour : Ref Zhur Fizika; No 11, 1959, 26257

spectral lines U 4241.7 and 4090.1 Å were investigated.
Bibliography, 13 titles.

Card 2/2

- 119 -

CZAKOW, Julian; RADWAN, Zofia; STRZYZEWSKA, Bozena

Spectrographic determination of uranium in ores and residues after
leaching, using the sifter method in the alternating current arc.
Chem anal 4 no.5/6:819-828 '59. (EEAI 9:9)

1. Zaklad Chemii Analitycznej Instytutu Badan Jadrowych Polskiej
Akademii Nauk, Warszawa. Kierownik Zakladu: prof. dr. Jerzy
Minczewski.
(Uranium)

RADWAN, Zofia; STRZYZEWSKA, Bozena; MINCZEWSKI, Jerzy

Spectrographic determination of trace amounts of rare earths. I.
Chem anal 5 no.6:935-949 '60. (EEAT 10:9)

1. Department of Analytical Chemistry, Institute of Nuclear Research,
Polish Academy of Sciences, Warsaw.

(Earths, Rare) (Spectrum analysis)

44866

S/081/62/000/024/030/073
B193/B186

AUTHORS: Rulwan, Zofia, Strzyżewska, Bożena, Minczewski, Jerzy

TITLE: The spectral determination of trace quantities of rare earth elements by a fractional distillation method

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 24, 1962, 232, abstract 24D101 (Chem. analit. (Polska), v. 6, no. 6, 1961, 959-967 [Pol.; summary in Eng.])

TEXT: A method of spectral determination of Eu, La, Y, Nd, Pr, Sm in 5 N HCl solutions is described. The solution to be analyzed, with a volume 2 ml + 1 ml $Zr(NO_3)_4$ solution containing 10 μ /ml Zr, is evaporated at 200° with 1 g powdered graphite. 2% CsF as carrier is then added to the powder and the mixture is ground in an agate mortar for 20 min. A sample (40 mg) is placed in the channel of a graphite electrode 8 mm deep and 3.2 mm in diam. The upper electrode terminates in a cone (20°). The spectra are excited in a d-c arc (6 a) with anode operation. The electrode spacing is 5 mm. The spectra are photographed for 15 sec with a mixture of 80% Card 1/2

S/081/62/000/024/030/073
B193/B186

The spectral determination ...

$O_2 + 20\%$ Ar at a pressure of 60 mm water col. flowing through the spark gap. An ИСП-51 (ISP-51) spectrograph with a УФ-84 (UF-84) chamber is used for recording the spectra. Width of slit 15μ . Spectral lines: Eu 3907.11, La 3949.11, Y 3950.36, Nd 4012.25, Pr 4222.98, Sm 4280.78 A. Comparison line Zr 3991.13 A. Absolute sensitivity of the method $2 \cdot 10^{-2} \gamma$ La and Y, $4 \cdot 10^{-2} \gamma$ Eu, Pr, Nd and Sm. Reproducibility of the results $\sim 12\%$.
[Abstracter's note: Complete translation.]

Card 2/2

RADWAN, Zofia (Warszawa 9, (Zeran), ut. Dorodna 16)); STRZYZEWSKA, Bozena
(Warszawa 9, (Zeran), ut. Dorodna 16)); MINCZEWSKI, Jerzy, prof., dr.
(Warszawa 9, (Zeran), ut. Dorodna 16))

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(Earths, Rare) (Spectrum analysis)

NOWICKA-JANKOWSKA, Teresa; RADWAN, Zofia

Review of methods for the determination of rare earths. Pt. 1.
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Research, Warsaw.

NOWICKA-JANKOWSKA, Teresa; RADWAŃ, Zofia

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1. Instytut Badan Jadrowych, Zaklad Chemii Analitycznej, Warszawa,

POLAND

RADWAN, Zofia, mgr; STRZYZEWSKA, Bozena, mgr

Department of Analytical Chemistry, Institute of Nuclear
Research (Zaklad Chemii Analitycznej Instytutu Badan Jad-
rowych), Warsaw - (for both)

Warsaw, Chemia analityczna, No 1, January-February 1966,
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"Direct spectrographic of small concentrations 10^{-3} %
of lanthanum and neodymium in pure cerium oxide."

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STRZYZEWSKA, Bozena, mgr; RADWAN, Zofia, mgr

Dept. of Analytical Chemistry, Nuclear Research Institute (Zaklad
Chemiai Analitycznej Instytutu Badan Jadrowych), Warsaw (for both)

Warsaw, Chemia Analityczna, No 5, Sept/Oct 1966, pp 979-988

"Hermetization of analytical operations during spectrographic testing
of high-purity materials."

RADWAN-DEBSKI, Radoslaw, dr

Laboratory studies on the pressure of flood waters on
buildings. Archiw hydrotech 10 no. 3: 473-513 '63.

1. Szkola Glowna Gospodarstwa Wiejskiego, Warszawa.

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Determination of the permissible frequency of flooding of rural settlements. Gospwodna 23 no.3:101-106 Mr '63.

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RADWAŃSKA 439. TRIAL OF DETERMINING THE KIND OF HAZARD CONNECTED WITH THE PITCH COKE PRODUCTION - Próba określenia rodzaju szkodliwości związanych z produkcją koksu pakowego - Radwańska D. Działu Chor. Zawodowych Inst. Med. Pracy, Przemysłu Węglowym - MED. PRACY 1958, 9/2 (7-84) Tables 5

All employees in a pitch coke production plant were divided into groups in relation to the kind of hazard. In those exposed to pitch dust and to soft pitch acute photo-dermatoses and frequent cases of skin cancer were seen. Among workers exposed to the action of gases from coke batteries occupational, acne and chronic carbon monoxide intoxications prevailed. (XVII, 13)

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GOSSOBYNEMA, Krystyna; RAJANATHA, Helena

Tincture from foot of Derris as remedy against head lice. Przerl.
epidem., Warsz. 11 no.2:179-182 1957.

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(PEDICULOSIS, prev. & control

tincture of Derris elliptica root in control of head
lice (Pol))

(INSECTICIDES, eff.

same)

RADWANSKA, Urszula.

Case of liver cirrhosis consecutive to hemolytic disease
of newborn. *Pediat.polska* 30 no.10:945-949 Oct.'55.

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Prof. dr med. K. Jonscher. Poznan, Wyspińskiego 11.
(ERYTHROBIASIS, FETAL, complications,
liver cirrhosis)
(LIVER CIRRHOSIS, in infant and child,
in fetal erythroblastosis)

RADWANSKA, Urszula; GOLENIOWA, Anna

Case of cured meningococcal septicemia with Waterhouse-Friderichsen's syndrome. Polski tygod. lek. 11 no.13: 581-583 26 Mar 56.

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kier.: prof. dr. med. K. Jonscher. Klinika Dziecięca A.M.
Poznań ul. Magdaleny 14.

(WATERHOUSE-FRIDERICHSEN'S SYNDROME, in infant and child,
cured case (Pol))

RADWANSKA, Urszula

Inspissated bile syndrome in newborn. Pediat. polska 31 no.8:
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dr. med. T. Rafinski, Poznan, ul. Wyspianskiego 11 m 6.
(JAUNDICE, CONGENITAL HEMOLYTIC, case reports,
inspissated bile synd. (Pol))

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Diagnostic difficulties in urolithiasis in children. Pediat.
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(URINARY TRACT, calculi,
in child., diag. difficulties (Pol))

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2803. RADWANSKA U. Wyspianskiego 11 m. 6, Poznań. *Z zagadnień gospodarki żelazem u dzieci. On problems of iron deficiency in children
PEDIAT. POL. 1957, 32/2 (203-208)

A detailed description is given of conditions favourable for the development of iron deficiency. It is known because of the investigations of Swiss authors that iron deficiency in adults may appear in a disguised form without anaemia. The possibility is suggested of the existence of disguised iron deficiency in children and the opinion expressed that as there is no standard of haemoglobin and erythrocytes quantity for small children, it is impossible to recognize cases of disguised iron deficiency.

RAFINSKI, Teodor; RADWANSKA, Urszula

Cobalt therapy of anemia during infection in children. *Pediat. polska*
33 no.8:897-907 Aug 58.

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med. T. Rafinski. Adres: Poznan, ul. Magdaleny 14, I Klin. Chor.
Dzieciacych A. M.

(ANEMIA, in inf. & child
with infect., ther. cobalt (Pol))
(INFECTION, in inf. & child
with anemia, ther., cobalt (Pol))
(COBALT, ther. use
anemia with infect. in child. (Pol))

KOZLOWSKA, F.; CHODERA, L.; KOSINSKA, E.; RADWANSKA, U.; FOJUDZKI, E.

Diagnostic value of blood iron & copper determination in mechanical & parenchymatous jaundice. Polski tygod. lek. 14 no.14:641-646 6 Apr 59.

1. (Z I Kliniki Chorob Wewnętrznych A.M. w Poznaniu; kierownik; prof. dr Stefan Kwasniewski; z Oddziału Zakaznego Szpitala Miejskiego w Poznaniu; ordynator: dr med. A. Zahradnik; z Kliniki Chorob Dziecięcych A. M. w Poznaniu; kierownik: prof. Dr T. Rafinski). Poznan, ul. Długa 1/2. I Klinika Chorob Wewnętrznych A.M.

(JAUNDICE, OBSTRUCTIVE, blood in

copper & iron levels, diag. value (Pol))

(JAUNDICE, blood in

copper & iron, diag. value in parenchymatous jaundice (Pol))

(COPPER, in blood

diag. value in obstruct. & parenchymatous jaundice (Pol))

(IRON, in blood

same)

MADWANSKA, Urszula

Studies on iron metabolism in children. Poznan tow przyjac nauk
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Intrauterine fetal hemorrhage into the maternal circulation as a cause of neonatal anemia. *Pediat. pol.* 37 no.12:1335-1338 D '62.

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T. Rafinski.

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(FETAL DISEASES) (HEMORRHAGE)

[illegible]

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Prof. dr hab. Andrzej Dąbala: Akademia Medyczna w Poznaniu.
Katedra i Zakład Anatomii, ul. Med. 5, 60-201 Poznań.

Prof. dr hab. Andrzej Dąbrowski, Instytut Matematyki, Uniwersytet w Poznaniu,
ul. Białostocka 2, 61-614 Poznań, P. R. P.

Dr. R. H. BARNES.

RAJWAŃSKA, Urszula; MATYJA, Józef; GRONZKA, Krystyna

Studies on erythropoietin, hemopoietic hormone, in the adult and newborn infant. Ped. Pol. 40 no.1:85-89. Ja 1965

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20 no.20:732-733 17 May 1965.

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PADLAJKA-PANYSKA, V.

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Tr. from the Polish. p. 107.
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RADWANSKA-PARYSKA, Zofia

Professor Boleslaw Hryniewiecki; man and scholar. Wiadom
botan 7 no.3/4:173-184 '63.

RADWANSKI, A.

Littoral structures in the Lias of the Smytnia Valley. p,231.

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KOTANSKI, Zbigniew; RADWANSKI, Andrzej

The fauna with Pygope diphya and limburgite in the Tithonian of the Osobita region. Acta geol Pol 9 no.4:519-534 '59. (EEAI 9:9)

1. Laboratory of Dynamic Geology of the Warsaw University.
(Brachiopoda) (Limburgite)
(Pygope) (Poland--Geology)

RADWANSKI, Andrzej

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1. Laboratory of Dynamic Geology of the Warsaw University.
(Poland--Geology)

RADWANSKI, Andrzej; RONIEWICZ, Piotr

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Submarine slumpings in the Fammenian of the Gory Swietokrzyskie Mountains. Acta geol Pol 12 no.2:295-305 '62.

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GLAZEK, Jerzy; RADWANSKI, Andrzej

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Gory Swietokrzyskie, Poland. Acta palaeont Pol 8 no.2:259-280
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RADWANSKI, A.

Boring animals in Miocene littoral environments of southern Poland. Bul geolog PAN 12 no.1:57-62 '64.

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RAJANSKI, B. Volume and taper tables for spruce logs and stem sections. p. 3.
Vol. 16. 1956. ROCZNIKI NAUK LESNICZ. Warszawa, Poland.

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L 00045-66 EMP(m)/EPF(c)/EPF(n)-2/ENT(1)/FCS(k)/ETC/ENG(m)/EWA(d)/EWA(1) WW

ACCESSION NR: AP5021644

PO/0008/65/000/008/0205/0213

AUTHOR: Radwanski, Edward (Master engineer)

TITLE: Problems of heat exchange at high velocities and high altitudes

SOURCE: Technika lotnicza, no. 8, 1965, 205-213

TOPIC TAGS: heat transfer, supersonic flow, gas flow

ABSTRACT: This paper reviews the problems associated with the exchange of heat at supersonic speeds and very high altitudes. The following topics are discussed: The types of flow and their classification. Heat exchange in the flow of a continuous medium at high speeds. Temperature and velocity distributions on the wall of a body when the wall is isolated and when it is exchanging heat. Heat exchange in laminar flow and in turbulent flow around a body. Heat exchange in high-speed gas flows inside tubes. Heat exchange in dissociated gases (temperature dependence of the specific heat of air at a constant pressure, temperature dependence of air viscosity, temperature dependence of the thermal conductivity of air). Heat exchange in the adjacent layer to a wall (for the layer in equilibrium and for a "frozen" layer) for definite degrees of gas dissociation. Heat exchange at the point of pressure build up between an

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L 00045-66

ACCESSION NR: AP5021644

obstacle and dissociated air. Heat exchange in the flow of dissociated gases around a body. Heat exchange in rarefied gases (velocity and temperature distribution over a hot plate; variation of the mean free path of air molecules with altitude; slip flow; transition flow; free-molecule flow). Orig. art. has: 15 figures and 61 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: TD, ME

NO REF SOV: 001

OTHER: 011

Card

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2/2

PAWIAŃSKI, J.

Research on the effect of the number of blades of an axial ventilating fan. p. 244

GAZ, WODA I TECHNIKA SANITARNA (Stowarzyszenie Naukowo-Techniczne Inżynierów i Techników Sanitarnych, Ogrzewnictwa i Gazownictwa) Warszawa, Poland.
Vol. 33, no. 6, June 1959

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RADWANSKI, Jan, dr inz.

Theoretical and experimental analysis of an axial flow counter-running fan. Przegl mech 23 no. 5:151 10 Mr '64.

RADWANSKI, Stanislaw

Delta deposits of the Coniacian in the neighborhood of Idzikow, Lower Silesia. Kwartalnik geol 5 no.1:108-121 '61.

1. Dolnoslaska Stacja Terenowa Instytutu Geologicznego w Warszawie.